



BRUHAT BANGALORE MAHANAGARA PALIKE

DASARAHALLI ZONE

Name of Work :- Detailed Estimate for
Improvements to Drain at 7th Cross and
Surrounding of Bagalakunte in Ward.No. 14,
Bangalore.

Estimated Cost Rs. 18.00 Lakhs

ASSISTANT EXECUTIVE ENGINEER

T.DASARAHALLI SUB DIVISION,

B.B.M.P, BANGALORE

BRUHAT BANGALORE MAHANAGARA PALIKE DASARAHALLI ZONE									
<i>N</i> <i>ne of Work</i> :- Improvements Roads & drains at 7th cross and Surroundings of Bagalakunte in ward No-14									
			Est. Cost Rs.				18.00	Lakhs	
Sl. No	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
1	KSRRB 300 - Excavation for road, drains and similar works - KSRRB 300-2. Earthwork excavation by manual means in hard soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications. MORTH Chapter 3 (P.150/I.19.2 PW, P & IWTD - SR 2012-13)	Cum							
	7th Cross - Bagalakunte - L/S		1	26.00	1.20	0.75	23.40		
			1	36.00	1.20	0.75	32.40		
	7th Cross - Bagalakunte - R/S		1	36.00	1.20	0.75	32.40		
	Between - L/S & R/S - Culvert		1	5.80	1.20	0.75	5.22		
	Right Side - Ded End to SWD Drain		1	38.00	1.20	0.90	41.04		
	23rd Cross - Bagalakunte - L/S		1	66.00	1.20	1.20	95.04		
	23rd Cross - Bagalakunte - R/S		1	71.00	1.20	1.20	102.24		
	Cross Road		1	10.50	1.20	1.20	15.12		
							346.86	81.00	28096
	Basic Rate	75.00							
	Add Area Weightage 8%	6.00							
	Total	81.00							
2	KSRB 4-1.3: Providing and laying in position plain cement concrete of mix M7.5 with OPC cement @180 kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P.12/I.4.3) PW, P & IWTD - SR 2012-13)	Cum							
	7th Cross - Bagalakunte - L/S		1	26.00	1.20	0.15	4.68		
			1	36.00	1.20	0.15	6.48		
	7th Cross - Bagalakunte - R/S		1	36.00	1.20	0.15	6.48		
	Between - L/S & R/S - Culvert		1	5.80	1.20	0.15	1.04		
	Right Side - Ded End to SWD Drain		1	38.00	1.20	0.15	6.84		
	23rd Cross - Bagalakunte - L/S		1	66.00	1.20	0.15	11.88		
	23rd Cross - Bagalakunte - R/S		1	71.00	1.20	0.15	12.78		
	Cross Road		1	10.50	1.20	0.15	1.89		
							52.07	3812.82	198549
	Basic Rate	3597.00							
	Add Area Weightage 6%	215.82							
	Total	3812.82							

3	KSRB 4-2.2: Providing and laying in position plain cement concrete of design mix M20 with OPC cement @320 kgs, with 20mm and down size graded granite metal coarse aggregates @0.87 m and fine aggregates @0.459cum, with superplasticiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not blocks, anchor blocks, plain window cills, fillets etc., including cost of all materials, labour, HOM of machinery, curing, complete as per specifications. Specification No. KBS 4.1, 4.6 (P.13/I.4.11) PW, P & IWTD - SR 2012-13)	Cum							
	For Bottom								
	7th Cross - Bagalakunte - L/S		1	26.00	1.10	0.15	4.29		
			1	36.00	1.10	0.15	5.94		
	7th Cross - Bagalakunte - R/S		1	36.00	1.10	0.15	5.94		
	Between - L/S & R/S - Culvert		1	5.80	1.15	0.15	1.00		
	Right Side - Ded End to SWD Drain		1	38.00	1.10	0.15	6.27		
	23rd Cross - Bagalakunte - L/S		1	66.00	1.10	0.15	10.89		
	23rd Cross - Bagalakunte - R/S		1	71.00	1.10	0.15	11.72		
	Cross Road		1	10.50	1.10	0.15	1.73		
	For Sides								
	7th Cross - Bagalakunte - L/S		2	26.00	0.15	0.45	3.51		
			2	36.00	0.15	0.45	4.86		
	7th Cross - Bagalakunte - R/S		2	36.00	0.15	0.45	4.86		
	Between - L/S & R/S - Culvert		2	5.80	0.15	0.45	0.78		
	Right Side - Ded End to SWD Drain		2	38.00	0.15	0.60	6.84		
	23rd Cross - Bagalakunte - L/S		2	66.00	0.15	0.90	17.82		
	23rd Cross - Bagalakunte - R/S		2	71.00	0.15	0.90	19.17		
	Cross Road		2	10.50	0.15	0.90	2.84		
							108.46	5142.06	557687
	Basic Rate	4851.00							
	Add Area Weightage 6%	291.06							
	Total	5142.06							
4	KSRB 4.9.2 : Providing TMT steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 (P.19/I.4.46) PW, P & IWTD - SR 2012-13)	q							
	For Bottom & Sides		108.46	Kg/Cum	45.00		4880.52		
						Say	48.81	7187.86	350805
	Basic Rate	6781.00							
	Add Area Weightage 6%	406.86							
	Total	7187.86							
5	KSRB 4-6.4: Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2 (P.17/I.4.31) PW, P & IWTD - SR 2012-13)	Sqm							
	7th Cross - Bagalakunte - L/S		2x2	26.00		0.50	52.00		
			2x2	36.00		0.50	72.00		
	7th Cross - Bagalakunte - R/S		2x2	36.00		0.50	72.00		
	Between - L/S & R/S - Culvert		2x2	5.80		0.50	11.60		

	Right Side - Ded End to SWD Drain		2x2	38.00		0.80	121.60		
	23rd Cross - Bagalakunte - L/S		2x2	66.00		1.00	264.00		
	23rd Cross - Bagalakunte - R/S		2x2	71.00		1.00	284.00		
	Cross Road		2x2	10.50		1.00	42.00		
							919.20	239.56	220204
		Basic Rate		226.00					
		Add Area Weightage 6%		13.56					
		Total		239.56					
6	Supplying and fixing precast rainforced concee slab 10cm thick including cost of reinforcement as per design and drawing material cost, transportation, hire charges of machinery, machine cutting the vertical face to get plain even surface etc., complete with all leads and lift conveyance charges, labour charges inclusive of cost of all materials.	Sqm							
	As per Approved Rates		1	26.00	0.90		23.40		
			1	36.00	0.90		32.40		
			1	36.00	0.90		32.40		
			1	5.80	0.90		5.22		
			1	38.00	0.90		34.20		
			1	66.00	0.90		59.40		
			1	71.00	0.90		63.90		
	Cross Road		1	10.50	0.90		9.45		
							260.37	1600.00	416592
7	Disposal of debris to the final place of disposal with all lead and lift and as direction by the engineer in charge of the work, lead 4 Km a) Basic rate for haulage of materials as per item No. 17.4/KSRRB : M100-4.1 Rs. 2.00 Tonne/Km b) Average earth of work 1.28 Tonne/Km for Rs. 2.00/Km c) Add loading and unloading Page No. 148 Item No. 17.1 PWD SR 2012-13	Cum							
			Qty Vide Item No. 1				346.86	78.24	27137
	2 x 1.28 x 4 Kmtrs	10.24							
		62.20							
		Basic Rate		72.44					
		Add Area Weightage 8%		5.80					
		Total		78.24					
8	Miscellaneous and Unforeseen Charges etc., complete	LS							931
								Total	1800000
(Rupees Eighteen Lakhs Only)									

CERTIFICATE

- 1) The Work spot has been inspected and the work is found to be necessary
- 2) The Estimate is prepared as per the PW,P & IWTD - SR - 2012-13
- 3) The Provision made in estimate are adequante and essential
- 4) This area comes under B.B.M.P Limits.

T.S. Y
Assistant Engineer A/S


Asst. Executive Engineer


Executive Engineer

Ward No. 14-13
JC(DH) AS 542/13
18.00 lakhs (Rupees Eighteen Lakhs only)
Page No. 077
SL. NO. 542

T.Dasarahalli Sub-Division
B.B.M.P. Bangalore.
EC/DO/TS/331/12-13
Date: 31/01/2013
18.00 lakhs (Rs Eighteen Lakhs only)
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